TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES

ATTORNEY/AGENT: KENT J. SIEFFERT REG. NO. 41,312 TELEPHONE: 651.735.1100 DOCKET NO.: 1014-080US01/JNP-0335 SHEET 1 OF 9

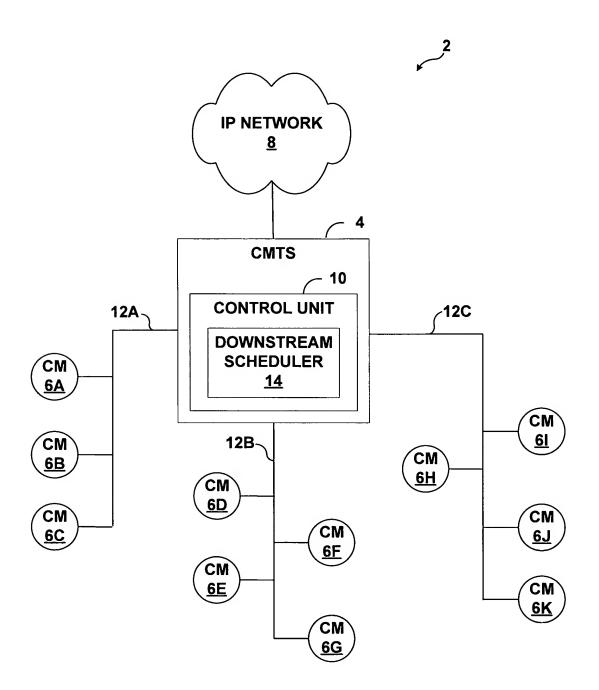
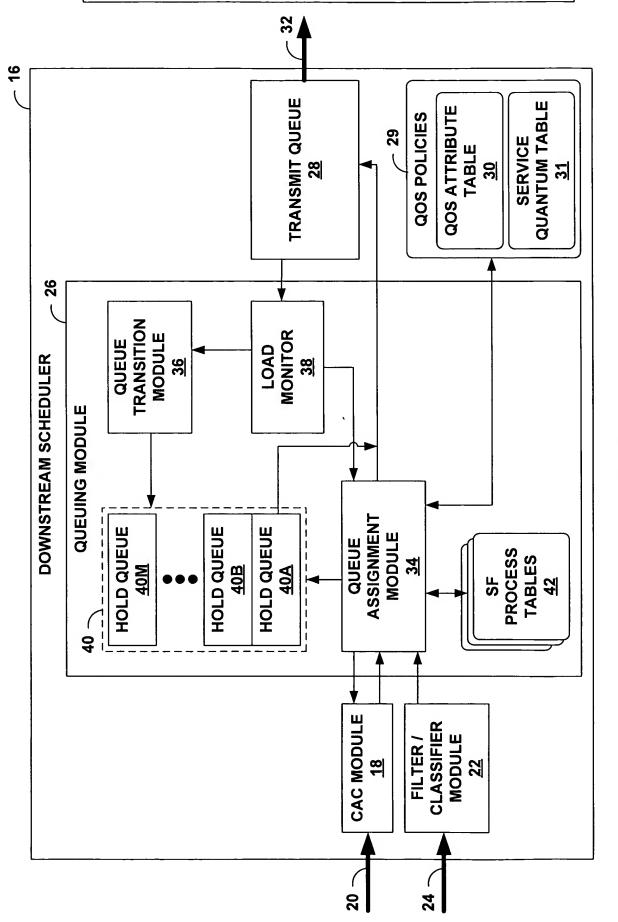


FIG. 1

TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES

ATTORNEY/AGENT: KENT J. SIEFFERT
REG. NO. 41,312 TELEPHONE: 651.735.1100
DOCKET NO.: 1014-080US01/JNP-0335 SHEET 2 OF 9



**FIG. 2** 

TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES

ATTORNEY/AGENT: KENT J. SIEFFERT REG. NO. 41,312 TELEPHONE: 651.735.1100 DOCKET NO.: 1014-080US01/JNP-0335 SHEET 3 OF 9



SERVICE	MSTR	MAXIMUM	MINIMUM	BURST
CLASS		RATE	RATE	SIZE
<u>46</u>	<u>48A</u>	<u>48B</u>	<u>48C</u>	<u>48D</u>

FIG. 3



SERVICE	SERVICE	SERVICE	SERVICE	SERVICE
CLASS	QUANTUM	QUANTUM	QUANTUM	QUANTUM
<u>52</u>	<u>54A</u>	<u>54B</u>	<u>54C</u>	<u>54D</u>

FIG. 4



SERVICE	SERVICE	TARGET	SERVICE	PRIORITY
FLOW ID	CLASS	QUEUE STATE	CREDIT	
<u>60</u>	<u>62</u>	<u>64</u>	<u>66</u>	<u>68</u>

APPLICANT: CHUNG-CHIEH LEE
TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES
ATTORNEY/AGENT: KENT J. SIEFFERT
REG. NO. 41,312 TELEPHONE: 651.735,1100
DOCKET NO.: 1014-080US01/JNP-0335 SHEET 4 OF 9

**START** - 70 RECEIVE PACKET - 72 **CLASSIFY PACKET** - 76 74 NO. SERVICE FLOW ACTIVE? **UPDATE SF PROCESS TABLE** YES **78** ASSIGN PACKET TO HOLD QUEUE 80 NO **TIME EPOCH?** YES · 81 **SERVICE HIGH-PRIORITY HOLD QUEUE TO TRANSMIT PACKETS** - 82 TRANSITION HOLD QUEUES - 84 **UPDATE SYSTEM LOAD MEASUREMENT** - 86 **DETERMINE NEXT TIME EPOCH BASED ON SYSTEM LOAD** 

FIG. 6

APPLICANT: CHUNG-CHIEH LEE
TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES
ATTORNEY/AGENT: KENT J. SIEFFERT
REG. NO. 41,312 TELEPHONE: 651.735.1100
DOCKET NO.: 1014-080US01/JNP-0335 SHEET 5 OF 9

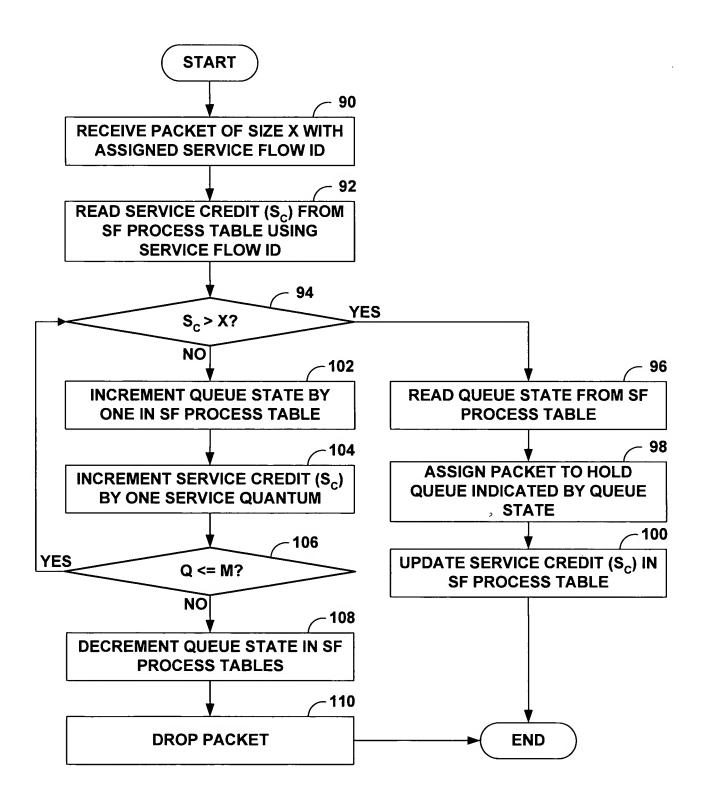
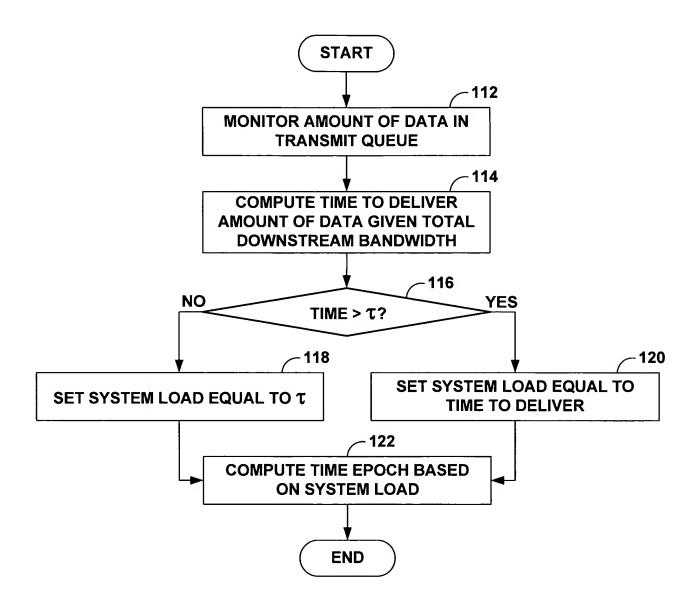


FIG. 7

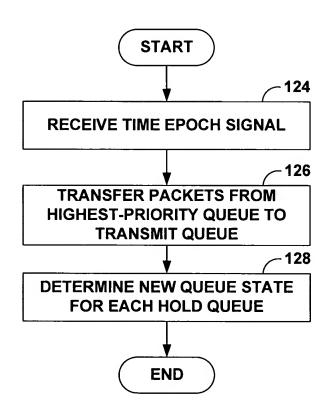
TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES

ATTORNEY/AGENT: KENT J. SIEFFERT
REG. NO. 41,312 TELEPHONE: 651.735.1100
DOCKET NO.: 1014-080US01/JNP-0335 SHEET 6 OF 9



TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES

ATTORNEY/AGENT: KENT J. SIEFFERT
REG. NO. 41,312 TELEPHONE: 651.735.1100
DOCKET NO.: 1014-080US01/JNP-0335 SHEET 7 OF 9

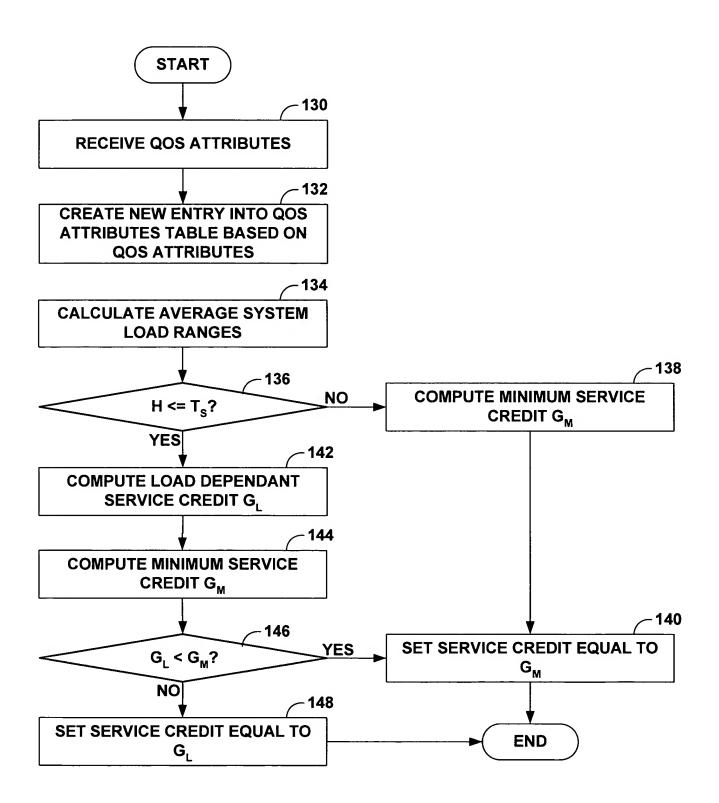


APPLICANT: CHUNG-CHIEH LEE

TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES
ATTORNEY/AGENT: KENT J. SIEFFERT

REG. NO. 41,312 TELEPHONE: 651.735.1100

DOCKET NO.: 1014-080US01/JNP-0335 SHEET 8 OF 9



**FIG. 10** 

TITLE: FAIR BANDWIDTH ALLOCATION BASED ON CONFIGURABLE SERVICE CLASSES

ATTORNEY/AGENT: KENT J. SIEFFERT
REG. NO. 41,312 TELEPHONE: 651.735.1100
DOCKET NO.: 1014-080US01/JNP-0335 SHEET 9 OF 9

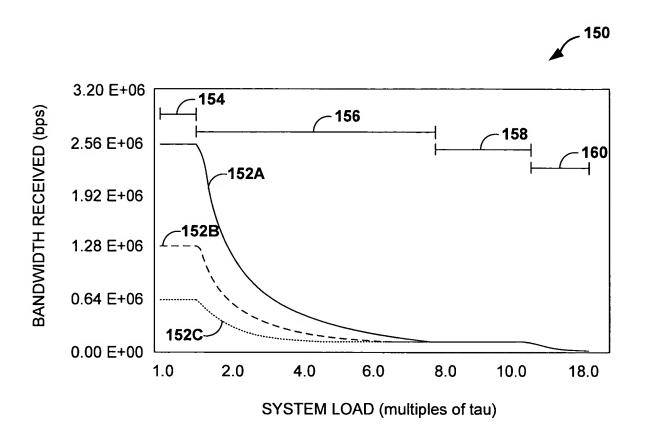


FIG. 11